

**Apparatus and Method for Generating an Encrypted Data
stream and Apparatus and Method for Generating a Decrypted
Audio and/or Video Signal**

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Abstract

An apparatus (10) for generating an encrypted data stream
representing an audio and/or video signal comprises an
10 encoder (16) for encoding an input signal (12) to generate
a data stream with a predefined data stream syntax as
output signal. The apparatus further comprises an
encryption means (18) coupled with the decoder (16) in
15 order to influence encoder internal data (20a) and/or the
output signal (20b) of the encoder in a uniquely reversible
manner based on a key such that the generated encrypted
data stream comprises payload information differing from
payload information of a data stream that would be
20 generated by the apparatus without the presence of an
encryption means and that the generated encrypted data
stream comprises the predefined data stream syntax.
Thereby, a flexible data stream encryption is achieved,
wherein the degree of encryption can be freely selected
such that the owner of a decoder who does not possess the
25 key, still obtains a rough idea of the audio and/or video
signal which might cause him to buy the key in order to
hear or view the audio and/or video signal in its full
quality. The encoder-specific encryption and decryption
concept can be implemented into already existing
30 encoders/decoders with little effort.